



POOL PLAN REVIEW PACKET

The following packet contains a list of instructions and requirements that must be met before submittal of an application for a pool plan review, and or, health permit. Included is a plan review checklist, health notes, applications, and placard card. Please take time to review the entire packet. A copy of the Loudoun county pool code is available upon request.

All checklist items must be addressed if applicable. Please sign & return the checklist and other required materials/plans to our office. An environmental health specialist will be assigned your review when all required materials have been received, no more than 5 working days upon receipt.

Plan review success depends on the quality of information submitted.

Overview: Swimming Pool Facility Plan Review Process

When: This applies to all public swimming pool facilities.

- 1) Proposed new public swimming pools.
- 2) Remodeling or equipment changes in an existing facility.

How: The process.

- 1) Site approval by Loudoun County Zoning Department.
- 2) Building Permit Application #
- 3) Well and septic evaluation by HD if not public water and sewer.
- 4) Submit application, drawings, and specs to Health Department.
- 5) An Environmental Health Specialist (EHS) does PRELIMINARY review within 5 working days. EHS works with the contact person on design/equipment changes, and get missing documentation, etc.
- 6) EHS provides memo to Loudoun Building and Development to release building permit.
- 7) EHS inspects facility (2-4 visits). EHS lists corrective action until approved for certificate of occupancy and permit.

What: Provide the following to the Health Department

- 1) "Plan Review Application"
- 2) Two (2) sets of scale drawings (one will be retained by Health dept. one will be returned). One of the sets of plans should be highlighted by the checklist item number.

The following are all items that may be used by us or you to determine if all of the pool health codes are addressed.

- **Pool / Filter System plans – material specifications & equipment list, fittings, pool elevations, dimensions, construction details, piping, etc.**
- **Deck - materials, slopes, drainage, fencing & gate details, lighting, etc.**
- **Bathhouse - floor plan, electrical, plumbing, mechanical, lighting, finishes, floor slopes, etc.**
- **Site plan – pool backwash to storm drain, topography, emergency access, drainage, etc.**

3) The list of equipment should be cross-referenced on the layout drawings.

4) Manufacturers specifications sheets (1 copy) on all equipment including:

- **Filters, pumps, flow meters, pressure gauges, pump curves, hypo-chlorinators, skimmers, ladders, fencing, gates, hot water heater, anti-scalding devices, etc.**

5) Plumbing plans: Floor drains, HWH specs, backwash to storm sewer, riser diagrams, etc.

6) Filter room, bathhouse, and deck: Electrical, mechanical plans, lighting, and architecture plans

- **Switches & receptacles, vapor-proof lights in filter room, telephone connections, ventilation, lighting schedule, finish schedule, floor slopes, etc.**

SWIMMING POOL & SPA PLAN REVIEW INFORMATION

**LOUDOUN COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
PO BOX 7000
1 HARRISON ST SE 2ND FLOOR
LEESBURG, VA 20177**

Telephone (703) 777-0234 Metro 478-8408 Fax (703) 771-5023

Public swimming pools and health spas shall be constructed in accordance with the Loudoun County Swimming Pool Ordinance 79-01, passed December 3, 1979.

SWIMMING POOLS /SPA PLANS: The plans shall consist of the following:

Two (2) complete sets of drawings/plans and one (1) set of manufacturer's specification sheets are required.

1. Site plan indicating the pool, deck, bathhouse (for motel / hotel pools, where bathhouses are not required, indicate the location of the filter room), storm drains, topography, emergency access, etc.
2. Pool plans:
 - Show inlet, outlet and vacuum fittings, skimmers, diving boards, lights, ladders, guard chairs, etc.
 - Elevations of pool showing slopes and dimensions.
 - Detailed sections showing inlet fittings, drains, skimmers, lights, hydrostatic relief valves, etc.
 - Piping plans of return, vacuum and drains indicating the pipe sizes and dimensions.
 - Detailed plan and elevation of filter equipment. Include all equipment located in the filter room, and filter room piping, valves, gauges, flow-meters, hair / lint filters, pumps, etc.
 - Detailed plan and sections showing pool structural detail, coping, pool decks and drains, etc.
3. Pool/spa decks including material specifications, finish, drains, slopes, etc.
4. Details of bathhouse plans shall include the following: floor plan; elevations; plumbing, electrical and mechanical plans; floor slope; typical sections; lighting; finish schedule, etc.

SPECIFICATIONS:

Manufacturer's specifications:

- Pool filter system equipment, including pump curves.
- Plumbing fixtures, including anti-scalding device and hot water heater for showers.
- Lighting for bathhouse, filter room, deck, etc.
- Fencing and gates, including clearance above deck, section details, height, etc.

INSPECTIONS: Call the Health Department at least 2-3 days in advance to schedule inspections. A final inspection under operating conditions (chlorine no required) shall be required before the certificate of occupancy is signed.

Loudoun Health Department Swimming Pool Plan Review Notes

FACILITY SITE / SIGNAGE:

1. The swimming pool location shall not be subject to flooding.
2. Signs shall be provided within the facility complex to direct fire/rescue to the pool.

DECK / FENCING / GATES / LIGHTING/ FOODSERVICE:

3. The pool perimeter fence shall be 6 feet high, and not more than 2 inches off deck.
4. At least one gate, 4 feet wide, shall be provided for the pool perimeter fence, and shall have a self-closing latch at least 4 feet above the ground.
5. An emergency/service gate 8 feet wide shall be provided.
6. Pool lighting, if used after dark, shall provide at least 5-foot candles of light, creating no glare on water, or other hazard to bathers.
7. The pool deck shall be at least 5 feet wide, and around the entire pool perimeter.
8. The deck shall be concrete, non-slip, with a minimum slope of 1/50 and maximum slope of 1/25 away from pool.
9. The deck drainage shall create no standing water or nuisance. Roof run-off or other drainage shall not be wasted on the deck.
10. Foodservice facilities and smoking areas within pool enclosure shall be separated from pool by 3-foot fence or suitable barrier.
11. The wading pool shall be surrounded by a 4-foot fence, with one 4-foot wide self-closing gate. The wading pools within the main pool enclosure shall be separated from the main pool by a 3-foot fence.
12. Grassed areas shall have a waist high shower spray at each entrance to deck.
13. The area around deck shall drain away from the deck.

BATHHOUSE & FILTER ROOMS:

14. The pool backwash shall connect to a storm drain, not to the sanitary sewer.
15. The filter room shall be impervious to water and chemicals, and a light color.
16. The filter room shall have at two vapor-proof lights, providing a minimum of 20 foot-candles of light.
17. Light fixtures in the bathhouse shall be shielded.
18. Electrical switches/receptacles shall be waterproof GFI construction.
19. A telephone shall be provided, with 911, and the facility name and address posted.
20. The filter room floor pitch shall be at least 1/50, providing a dry area by the electrical panels.
21. The area adjacent to the filter room entrance shall drain away from entrance.
22. A readily accessible room shall be designated and equipped for emergency care.
23. The floor of dressing rooms, showers, toilets and lavatories shall have a minimum pitch of 1/50 to drains with no low spots to allow standing water; floors shall be non-slip.

24. Rooms shall be ventilated so floors do not remain wet.
 25. Showers shall have an anti-scalding device(s), and adequate hot water.
 26. Each shower shall drain separately, and have a soap dispenser.
 27. Pool rules shall be posted in pool area, dressing rooms, and at pool entrances.
 28. Warning signs for hazardous materials shall be in the room or area where they are stored.
 29. Indoor pools will have water heating equipment thermo-statically controlled to maintain the pool at 70° F to 85° F.
 30. The filter room shall have adequate headroom for repairs.
- POOL EQUIPMENT \ PIPING \ PLACARDS \ DEPTH MARKERS :
31. Treads on ladders, steps, and stepholes shall be non-slip.
 32. Underwater lighting shall provide at least one watt per square feet of water surface.
 33. The influent and effluent filter system pressure gauges shall have 4" faces.
 34. Flow rate meters shall be on return piping, and be rated to operate at mid-scale.
 35. Filter system piping shall color-coded as follows: Fresh water-blue, backwash-black, influent-yellow, effluent-white, vacuum-orange. Filter room piping shall be securely anchored.
 36. A filter room placard shall be provided with the following information: Facility name, location pool capacity, pool water surface area in square feet, pool volume turnover time in hours, and filter system head loss at which to backwash.
 37. Depth markers shall be provided every one-foot of increment of depth at least every 20 feet on the pool wall and deck, with numerals and letters 5 inches high and in good contrast with pool wall and deck.
 38. Each inlet shall have a means to adjust flow at least 50%, and shall be readily controlled and accessible without special tools.
 39. An approved water quality placard shall be posted for public view.

Instructions for submittal of plans and or other pertinent information.

The environmental health staff must review all plans; in order to assess compliance with local and state health codes. A checklist was developed in order to insure that important health code concerns were adequately address. A checklist has been provided to you so that you are aware of exactly what information has to be reviewed prior to approval. In order to expedite this process we request that you go through the checklist and highlight one set of plans/specification sheets/etc. exactly were the item number can be found. The easier it is for us to find the information, the faster the plan review process can proceed. Simply highlight an area/information/health note that corresponds to a particular item on the checklist. The highlight area, and item number, need to be as visible as possible. After each item on the checklist there is an asterisk and note pertaining to where the information can be addressed. In the packet there is a list of acceptable health notes that can be used or written on the plans; you can use them if you wish.

SWIMMING POOL PLAN REVIEW CHECKLIST

Pool Name _____

Address _____

Pool Types: Main __ Spa __ Wading __ Other __ (check all that apply)

Water Supply: Public __ Private __ Sewage: Public __ Private __

Please fill out the following information:

Main: Gallons _____ Flow Rate _____ GPM X 60 = _____ GPH
Water Surface _____ Sq ft Turnover rate _____ HRS
Skimmers _____ Flow per Skimmer _____ GPM
Returns _____ Flow per Return _____ GPM
Gallons / GPH = turnover _____ / _____ = _____ HRS

Spa: Gallons _____ Flow Rate _____ GPM X 60 = _____ GPH
Water Surface _____ Sq ft Turnover rate _____ HRS
Skimmers _____ Flow per Skimmer _____ GPM
Returns _____ Flow per Return _____ GPM
Gallons / GPH = turnover _____ / _____ = _____ HRS

Wading: Gallons _____ Flow Rate _____ GPM X 60 = _____ GP
Water Surface _____ Sq ft Turnover rate _____ HRS
Skimmers _____ Flow per Skimmer _____ GPM
Returns _____ Flow per Return _____ GPM
Gallons / GPH = turnover _____ / _____ = _____ HRS

Other: Gallons _____ Flow Rate _____ GPM X 60 = _____ GPH
Water Surface _____ Sq ft Turnover rate _____ HRS
Skimmers _____ Flow per Skimmer _____ GPM
Returns _____ Flow per Return _____ GPM
Gallons / GPH = turnover _____ / _____ = _____ HRS

Total Bather Load = Sq ft of water surface _____ / 27
Sq ft water surface: Main _____ + Spa _____ + Wading _____ = _____

Will	EHS
<u>Comply</u>	<u>Review</u>

<u>Site Plan:</u>	<u>ITEM#</u>	
___	___	1. Direct and unobstructed access to the pool area shall be provided for the admission of emergency and service vehicles, equipment and personnel. (838.10) *(Can be easily shown via site plan).
___	___	2. Where the pool area is enclosed by a fence, a gate opening of 2.5 meters (8 ft.) shall be provided(838.10) * (Can be shown on plans, or noted on plans)
___	___	3. Permanent and conspicuous signs shall be posted indicating the most direct route to the pool. (838.10) *(This can be in the form of a note on the site plan).
___	___	4. Waste from backwashing shall be discharged into a storm sewer or in a manner approved by the health director. When only a sanitary sewer is available to the swimming pool, the rate of discharge is subject to the approval of the director and the Loudoun County Sanitation Authority. (838.15c) *(This can be a note on the plumbing diagram)
___	___	5. Pool area shall be completely enclosed with an approved fence at least 6 ft high, not more than 2 inches off deck. At least one gate 4 ft wide, self-closing latch at least 4 ft above the ground shall be provided, as well as an emergency/service gate 8 ft wide. (838.24) *(Please provide the s specifications if not a chain link. * (shown on plans as a note or drawing)
___	___	6. Grassed areas have waist high shower spray at each entrance to deck (838.24) * (shown on the plans as a note)

Total pool perimeter: _____ ft (Please fill in)

- ____ 7. Pools with a perimeter greater than 100ft shall have at least two means of egress. For pools with a perimeter less than 100 ft, one means of egress will be provided. One additional egress will be provided for each additional 200ft of pool perimeter.(838.25)*(shown on pool plans view)
- ____ 8. Non-slip treads on ladders, steps, & stepholes (838.25) * (shown as a note on plans).
- ____ 9. Recessed steps have handrail (838.25) * (shown on plans)

Pool Plans:

- ____ 10. Construction - white/light color finish, no cracks (838.13). * (shown on finishing schedule)
- ____ 11. When intended to be used after dark, the pool shall have an illumination above the water surface of at least 5 foot candles. The lighting shall be designed and installed to prevent glare in the pool and pool area. (838.19) * (Can be shown as a note on plans)

Filter Room/Pump Room:

- ____ 12. The filter room shall be finished in a light color and be constructed of materials that are impervious to water and chemicals necessary for the operation of the pool. (838.14) * (This can be shown as a note on the finishing schedule)
- ____ 13. Two vapor-proof lights shall be provided in filter room with a minimum of 20 foot-candles (838.14) * (Can be shown as a note on the filter room plan)
- ____ 14. Floor slope 1/50, dry by electrical panels (838.14) * (Can be shown as a note on the filter room plan)

- ___ 15. The filter room shall be adequately cross-ventilated and all equipment shall be installed so that it is convenient to operate and repair. (838.14)
* (Shown on HAVC schedule or as a note on plans.)
- ___ 16. Door large enough for removal of all equipment, door must be able to be secured against entry by unauthorized persons. (838.14) * (can be shown as a note and on filter room layout)
- ___ 17. Drainage shall be such as to avoid the entrance and accumulation of water in the vicinity of the electrical equipment. (838.17a) * (Can be shown as slope on floor diagram)

Filter System:(838.14b)

Filter Designs Flow Rates: (838.14c) * (Must comply with one of the following)

- ___ 18. Sand – Flow rate not to exceed 3 gal per minute per sq ft; backwash rate shall be 4 x filter rate. * (can be shown on equipment specification sheet)
- ___ 19. High-rate filter – Flow rate not less than 15 gal per minute per sq ft; backwash rate shall be the same as filtration rate. * (can be shown on equipment specification sheet)
- ___ 20. Diatomaceous Earth filters (pressure or vacuum type) - Flow rate shall not exceed 2 gal per minute per sq ft. * (can be shown on equipment specification sheet)
- ___ 21. Diatomaceous Earth filter (pressure or vacuum type with slurry feeder)
- Flow rate shall be less than 3 gal per minute per sq ft; and a backwash sump pit with a stand pipe shall be installed to collect spent diatomaceous earth so that it can be collected and disposed of with solid waste. * (can be shown on equipment specifications sheet, with a note addressing the standpipe and collection)
- ___ 22. All other filters require a variance from the health director. * (You must submit a letter requesting a filter variance to the Loudoun County Department of Health Director)

23. The recirculating system shall be equipped with a rate of flow indicator that reads in liters per minute or gallons per minute, and shall be located so as to indicate the rate of flow of filtered water returned to the pool. The meter shall be of proper size as to indicate the designed rate of flow at approximately mid-scale (838.14e) * (Can be shown on the specifications sheet)
24. Hair & lint strainer; where required shall be installed ahead of the filter pump and be designed and located so that it can be easily and simply dismantled for cleaning and inspection. An extra strainer basket shall be provided. (838.14f)
* (Will be shown on the pool diagram, and as an equipment note)
25. There will be no direct connection between the pool recirculating system and the sewer or the potable water supply. (838.15b) * (This can be shown as a health note on the plans, or in the plumbing diagram)
26. Backwash to storm sewer, not to sewer (838.15c) * (Shown as a health note)
27. The piping system in the filter room shall be securely anchored and color coded as follows: Fresh water-blue, backwash-black, influent-yellow, Effluent-white, vacuum-orange (838.15d) * (Can be shown as a health note)
28. Main drain in deepest part of pool; located more than 3 feet and not more than twenty feet from another drain and not more than 15 feet from a pool wall. (838.16a) *(Can be shown on the pool diagram)
29. The Main drain shall be covered with a grating which is not hazardous to bathers, and which can only be removed with the use of tools. The grate opening shall be large enough to have water entrance velocities not exceeding 2ft/sec (838.16b) * (Can be shown on equipment specification sheet and as a health note)

- ___ 30. All lighting fixtures shall be protected in a manner that will prevent broken glass from falling on any surface within the pool area. All electrical switches/receptacles shall be of weatherproof construction as to resist corrosion. (838.17d) * (Can be shown on equipment specification sheet)
- ___ 31. No lights above or within one meter of pool rim (838.17e) * (Can be shown on cross sectional diagram)
- ___ 32. Hydrostatic relief valves provided for all in ground public pools (838.18a) * (Can be shown as a note or on equipment specification sheet)
- ___ 33. Underwater lighting one watt/sq ft water surface; GFI (838.19a)
 (Watts per lamp X # of lamps) / sq ft of water surface = watts / sq ft of water surface
 (_____ X _____) / _____ = _____
 * (Light wattage can be shown as a note on electrical plans or on equipment specification sheets)
- ___ 34. Deck 5 ft wide & around entire pool perimeter (838.20) * (This can be shown on the pool site plan or other diagrams)
- ___ 35. Deck concrete, non-slip, slope min 1/50 & max 1/25 away from pool (838.20/838.21) * (Can be shown on plan as note)
- ___ 36. Deck around therapeutic pool/hot tube 3 ft wide; floor covering non-slip, nonabsorbent, adequately drained (838.20) * (If applicable –Can be shown on finishing schedule and floor plan)
- ___ 37. Head room above diving board minimum 13 ft (838.22a) * (If applicable can be in the form of a safety note)
- ___ 38. If Diving boards will be installed they must be in accordance with section (838.22 & Tables I & II) * (If applicable, must provide specification sheet of diving board and show water depths, and height off water on plans)

Suction Cleaners (838.26)

- ___ 39. A suction cleaner shall be provided, and be connected through a hair catcher (838.26) * (Can be shown on the plumbing diagram and specification sheet's & or equipment lists with note)

- ___ 40. If a suction cleaner is operated by the recirculating pump, a device shall be provide for throttling the flow from the pool outlets. (838.26) * (Can be shown on the equipment specification sheets, or equipment list with a note)
- ___ 41. If portable vacuum cleaners are used, provide outlets near pool for discharge of effluent (838.26) * (Can be shown on pool diagram)
- ___ 42. Hydraulic jet-type suction permitted if water pressure 30 psi or more, provide backflow prevention device (838.26) * (If applicable can be shown on the equipment specifications sheet with note)

Gutters/Skimmers:

- ___ 43. Overflow Gutters - when overflow gutters are used, they must comply with (838.27a) (Will be shown on pool diagrams/specification sheets and in note form)
- ___ 44. When skimmers are used, one skimmer per 40 ft of pool perimeter, or one per 400 sq ft or less of pool surface. (838.27b) * (Can be shown below) pool perimeter ft / # of skimmers = ft / skimmer
 _____ / _____ = _____ ft / skimmer
- ___ 45. They shall be spaced to provide maximum skimming. (838.27b1) * (Can be shown on pool diagram)
- ___ 46. Skimmers weirs shall automatically adjust to water level 3 inches over minimum.(838.27b2) * (Will be shown on equipment specifications sheet)
- ___ 47. There will be a removable basket in each skimmer (838.27b3) * (Can be shown on equipment list as a note, or on specification sheets)
- ___ 48. Water velocity through skimmer at least 20 GPM & less than 30 GPM (838.27b5) * (Can be demonstrated below)
 (gallons per minute / # skimmers) = GPM per skimmer
 (_____ / _____) = _____ GPM per skimmer

Safety & Rescue Equipment: *(Can be shown on equipment list or in note form)

- ___ 49. Rescue pole at least 12 ft with blunt end (838.28a1)
- ___ 50. Ring buoy at least 15 inches in diameter with line (150 lb test) at least twice the width of pool, on racks/hook adjacent to pool (838.28 a 2)

- ___ 51. First-aid kit readily accessible (838.28a3)
- ___ 52. Readily accessible room designated & equipped for emergency care
(838.28 a 4)
- ___ 53. Room with stretcher/cot, backboard, 2 blankets (838.28a5)
- ___ 54. Telephone with 911 number posted (838.28a5) * (Please show location)
- ___ 55. Depth markers every one foot of increment of depth at least every 20 ft on
pool wall & deck. Numerals & letters 5 inches and good contrast with pool
wall & deck (838.38b)
- ___ 56. One lifeguard chair for every 2000 sq ft of water surface (838.28d)
- (Can be demonstrated below)
 - Position of chairs must be shown on pool plans!
- sq ft of water surface / # of guard chairs = sq ft / guard chair
- _____ / _____ = _____ /
- ___ 57. Maximum pool slope of 1 to 12 in water 5 ft or less. Maximum pool slope of
1 to 3 in water greater than 5 ft (838.31) * (Can be shown on pool diagram)

Pool Inlets:

- ___ 58. Pool inlets in walls not spaced more than 20 ft on center around perimeter.
(838.32) * (Can be shown on pool diagram)
- ___ 59. Where inlets are in pool walls, such inlets shall be spaced not more than 20 ft
on center around the pool perimeter. Where inlets are in the pool bottom, the
number of inlets shall equal the perimeter of the pool divided by 20, and shall
be located to ensure proper distribution (838.32). * (Can be demonstrated
below, and shown on pool plan)
- Perimeter / # inlets = _____
- _____ / _____ = _____
- ___ 60. All inlets, except fresh water & wading pool inlets shall be at least 15 inches
below the overflow level (838.32) * (Can be shown on cross-sectional
drawings or as a health note)
- ___ 61. Each inlets shall have means to adjust flow at least 50%. The controls for the
inlets will be readily accessible without the use of special tools (838.32)
- * (Can be shown as a note or on the specification sheet or equipment list)

Other Requirements:

- ___ 62. Indoor pools will have water heating equipment thermo-statically controlled to maintain pool at 70E to 85E (838.33) * (If applicable will be shown on equipment specifications sheet)
- ___ 63. Pool shall have at least one drinking fountain within the pool area readily accessible to bathers (838.34) * (Can be shown on the pool diagram plan)

Showers; Water Closets; Lavatories; Solid Waste Storage:

- ___ 64. Showers, water closets, urinals and lavatories provided for each sex in the line of travel used by patrons prior to entering the pool area with separate entrance and exit opening directly to the deck (838.35) * (Can be shown on pool layout diagram that incorporates shows bathroom or clubhouse facilities)
- ___ 65. Each exit not near deep portion of the pool (838.35a) *(Can be shown on pool layout diagram that incorporates bathroom or clubhouse facilities)
- ___ 66. Floor of dressing rooms, showers, toilets and lavatories have minimum pitch of 1/50 (1/4 inch per foot) to drains with no low spots to allow standing water, floors non-slip (838.35a) * (Can be shown as slope on floor plans or in note)
- ___ 67. Room ventilated so floors do not remain wet (838.35a) *(Can be shown on HVAC schedule or by note)
- ___ 68. Dressing rooms for both sexes with hooks, lockers, wire baskets or other sanitary means of clothing storage (838.35b) *(Can be shown on plans as a not or equipment list)
- ___ 69. Showers in proportion of 1 to 40 persons of max. bather load (838.35c)
* (Can be shown on plans)
- ___ 70. Showers have anti-scalding device(s), and adequate hot water (838.35c)
* (Can be shown on equipment schedule or as a safety note)
- ___ 71. Each shower shall drain separately & have soap dispenser (838.35c)
* (Can be shown on floor plans and equipment schedule)
- ___ 72. Toilets in proportion 1 per 40 females maximum load (838.35d)
* (Can be shown below and on plans)
Females _____, toilets _____ (based on gender at 50% of load)

- ___ 73. One toilet and one urinal for each 60 males max.load (838.35d) (Based on gender at 50% of load): * (Can be shown below and on plans)
- Males _____ / toilets _____ = _____
- Males _____ / urinals _____ = _____
- ___ 74. Lavatories in proportion 1 to 60 persons max. load, with soap dispenser (838.35e) * (Can be shown below and on plans)
- patrons _____ / Lav. _____
- ___ 75. Motel facilities restricted to guests and multifamily dwelling & condominium facilities only used only by residents may be exempt and thus do not need dressing rooms/ Showers/toilets/Lavatories. The Health Director may waive showers (838.35c), toilets (838.35d) and lavatories (838.35e). * (Please put N/A if facility is not requesting waiver. If facility is requesting waiver, please mark above and submit request)
- ___ 76. Solid waste storage facilities in bath house, spectator, and in food service areas. (838.35h) * (Can be shown on equipment schedule, as a note, or on plans)
- ___ 77. Spectator areas separate from pool with no spectator access. If spectator balconies will included they shall not overhang any pool surface (838.36)
- * (Can be shown on site plan or pool plan)
- ___ 78. Food prep & service facilities or smoking area within pool enclosure separated from pool by 3 ft fence or suitable barrier. Smoking section separated from deck by fence (838.37) * (Can be shown on plans with a note)

Wading Pools: *(If Wading pools will not be constructed or do not exist skip this section)

- ___ 79. Wading pool bottom slope no greater than 1 to 15 (838.38) * (Can be shown as slope on plans or note)
- ___ 80. Wading pools designed with no obstruction within 5 ft outside pool perimeter. Wading pool surrounded by 4 foot fence with one 4 foot wide self-closing gate (838.38) * (Can be shown on plans with a note)
- ___ 81. When wadings pools are within the enclosure of the main pool, they shall be seperated from the main pool by 3 ft fence. (838.38c) * (Can be shown on the plans with a note, or on equipment schedule)

- ___ 82. Wading pool has filter system separate from any other swimming pool
(838.38d) * (Can be shown on the pool plumbing diagram, and equipment
schedule)

Disinfection Equipment:

- ___ 83. Mechanical, positive chemical or open-type chemical feeder shall be provided
that is capable of applying up to 10 ppm within turnover time (838.39ab)
- ___ 84. Protective clothing - face masks, rubber gloves, aprons or coveralls for handling
caustic or chlorine chemicals (838.39d) *(Can be shown on the equipment
schedule or specification sheets)
- ___ 85. Chemical test kit must be provided for free chlorine (range 0.1 ppm-2.0 ppm),
alkalinity, and pH (range 6.8-8.2). Colormetric range of 0.1 to 2.0 ppm for
chlorine residual. If cyanuric acid or chlorinated cyanurates used, must measure
to 50 ppm (838.42g) * (Can be shown on equipment schedule and or
specification sheet with note)
- ___ 86. Adequate chemical storage, chemicals on hand. (838.42h) * (Shown on plans
and with note)

Other:

- ___ 87. Pool rules posted in pool area, dressing rooms and at pool entrances.
Warning signs posted for hazardous materials in the room or area where stored
(838.45) * (Can be shown as a health and safety note)

Responsible Agent Name

Responsible Agent Signature

Date

EHS Reviewer

Date

FILTER ROOM PLACARD INFORMATION

MAIN POOL

Water surface area _____ sq. ft. Perimeter _____ ft.
Volume _____ gal Maximum bather load _____

Filter media _____ sand / diatomite

Total filter area _____ sq. ft. Turnover rate _____ hours

Filtration flow rate _____ min. _____ max. GMP

Backwash flow rate _____ min. _____ max. GMP

Pressure differential indication backwash _____ P.S.I.

Amount of alum to be added after backwashing

Amount of diatomaceous earth to be added after backwashing

Capacity of pump _____ G.P.M. at _____ ft. head

WADING POOL

Water surface area _____ sq. ft. Perimeter _____ ft.
Volume _____ gal Maximum bather load _____

Filter media _____ sand / diatomite

Total filter area _____ sq. ft. Turnover rate _____ hours

Filtration flow rate _____ min. _____ max. GMP

Backwash flow rate _____ min. _____ max. GMP

Pressure differential indication backwash _____ P.S.I.

Amount of alum to be added after backwashing

Amount of diatomaceous earth to be added after backwashing

Capacity of pump _____ G.P.M. at _____ ft. head

(Include instructions for backwashing filters.)

SWIMMING POOL & SPA PLAN REVIEW APPLICATION

Office Use Only

H.D. ID # _____ - _____

Plan EHS _____

Date Assigned ____/____/____

**LOUDOUN COUNTY HEALTH DEPARTMENT
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1 HARRISON ST, SE, 2ND FLOOR
LEESBURG, VA 20177
TELEPHONE (703)777-0234
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Please Type or Print

Facility Name _____

Address _____

City _____ State _____ Zip _____

Building Permit Application # _____

Agent/Contact _____ Phone (____) _____

Agent Company _____ Fax (____) _____

Agent Street _____ E- Mail _____

Agent City _____ State _____ Zip _____

Construction Dates: Begin ____/____/____ End ____/____/____ Type: ____ New ____ Remodel

Remarks:

Applicant's Signature _____ Date ____/____/____

Note: Please attach a completed Health Department Permit Application

For Office Use Only

DATABASE UPDATE

Plans Received ____/____/____

Inspections

EHS

EHS 2

Reviewed

1st Set ____/____/____

1st Preopen ____/____/____

2nd Set ____/____/____

2nd Preopen ____/____/____

3rd Set ____/____/____

3rd Preopen ____/____/____

4th Set ____/____/____

Final Insp. ____/____/____

Current Status (S/U/I) __ (Satisfactory /Unsat / Inactive)